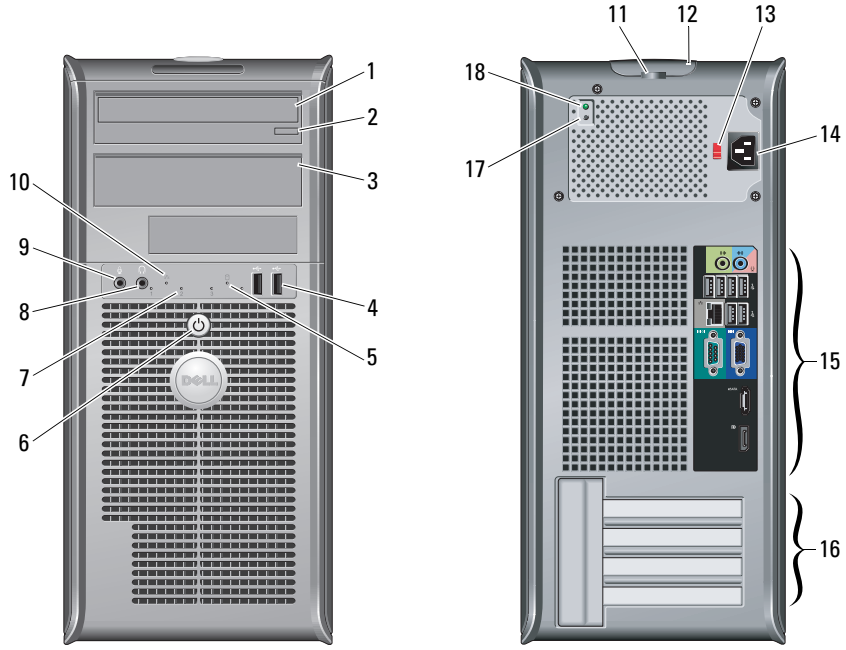
Dell™ OptiPlex™ 580

Setup and Features Information

Mini Tower — Front and Back View



1 optical drive
2 optical drive eject button
3 optical drive panel
4 USB 2.0 connectors (2)
5 drive activity light
6 power button, power light
7 diagnostic lights (4)
8 headphone connector
9 microphone connector
10 network connectivity light
11 padlock ring
12 cover-release latch, security cable slot
13 voltage selector switch
14 power cable connector
15 back panel connectors
16 expansion card slots (4)
17 power supply diagnostic button
18 power supply diagnostic light

NOTE: The voltage selector switch is available only on non-EPA power supplies.

About Warnings

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

Regulatory Models: D08M series, D04D series, and D02S series
Regulatory Types: D08M001, D04D001, and D02S001

January 2010

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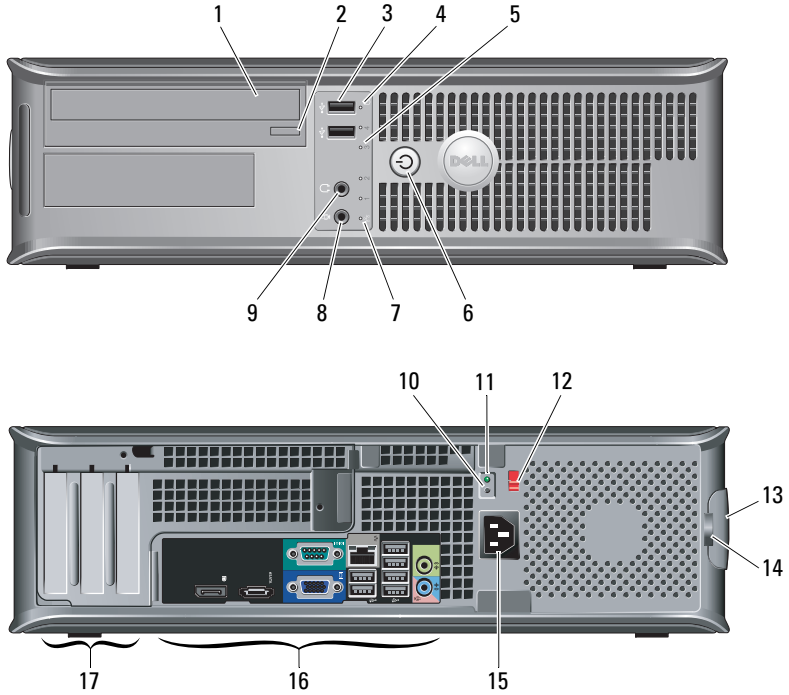
Desktop — Front and Back View



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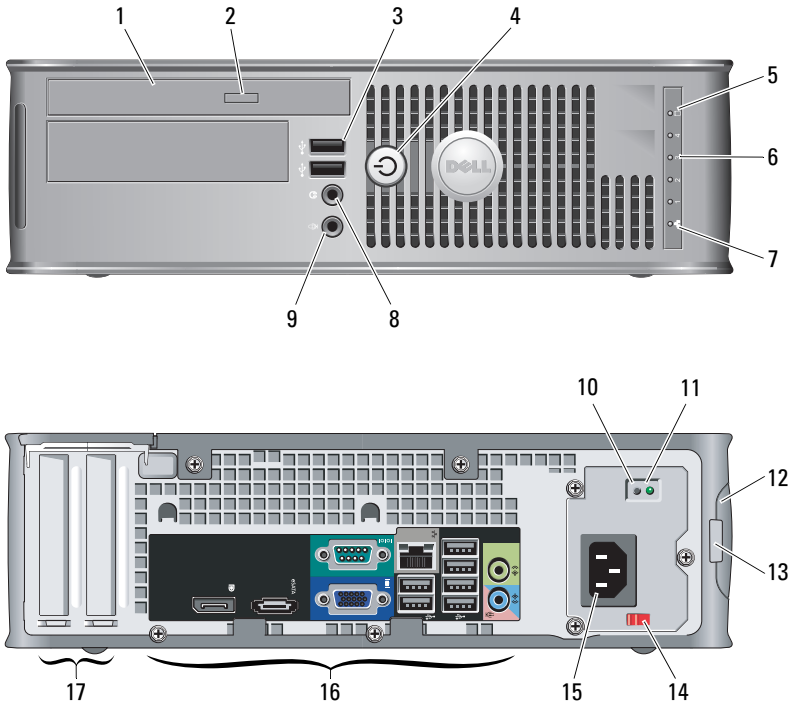
13 cover-release latch, security cable slot
14 padlock ring
15 power cable connector
16 back panel connectors
17 expansion card slots (3)

Small Form Factor — Front and Back View



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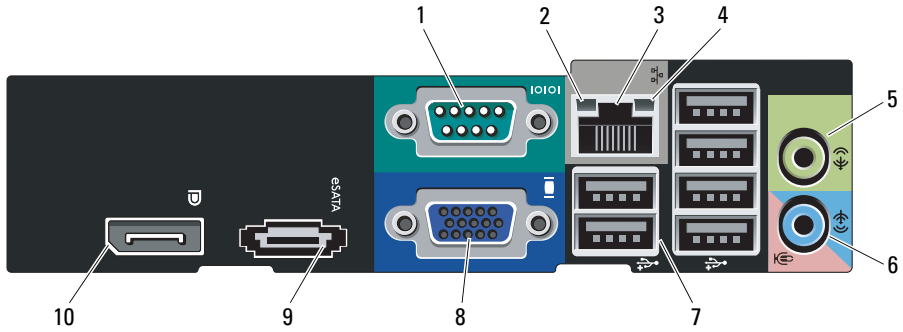
8 headphone connector
9 microphone connector
10 power supply diagnostic button
11 power supply diagnostic light
12 cover-release latch, security cable slot
13 padlock ring
14 voltage selector switch
15 power cable connector
16 back panel connectors
17 expansion card slots (2)

Mini Tower, Desktop, and Small Form Factor — Back Panel



1 serial connector
2 link integrity light
3 network adapter connector
4 network activity light
5 line-out connector
6 line-in/microphone connector
7 USB 2.0 connectors (6)
8 VGA connector
9 eSATA connector
10 DisplayPort connector

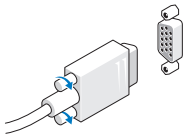
Quick Setup

WARNING: Before you begin any of the procedures in this section, read the safety information that shipped with your computer. For additional best practices information, see www.dell.com/regulatory_compliance.

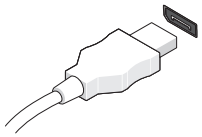
NOTE: Some devices may not be included if you did not order them.

1 Connect the monitor using only one of the following cables:

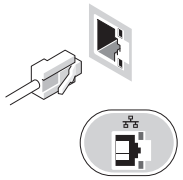
a The blue VGA cable.



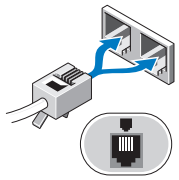
b The DisplayPort cable.



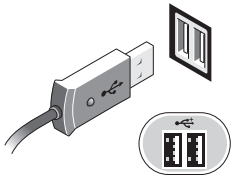
2 Connect the network cable (optional).



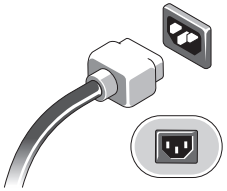
3 Connect the modem (optional).



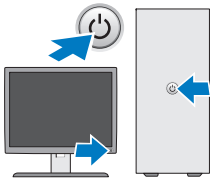
4 Connect the USB keyboard or mouse (optional).

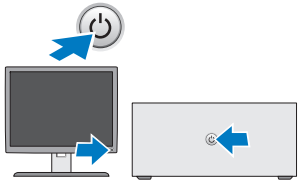


5 Connect the power cable(s).



6 Press the power button on the monitor and the computer.





Specifications

NOTE: The following specifications are only those required by law to ship with your computer. For a complete and current listing of the specifications for your computer, go to **support.dell.com**.

System Information	
Chipset	AMD 785G chipset (RS880 + SB710)
Processor	• AMD Phenom II • AMD Athlon II • AMD Sempron

Video	
Video type:	
Integrated	ATI Radeon™ HD 4200 Graphics
Discrete	PCI Express 2.0 x16 Graphics Adapter **NOTE:** BIOS default setting is PCI Express x8 + DisplayPort (DP), DP will be automatically disabled while configuring GFX/Display Port as PCI Express x16.
Video memory:	
Integrated	Up to 512 MB shared video memory (system memory greater than 1536 MB)

Memory	
Memory module connector	Four DIMM slots
Memory module capacity	1 GB, 2 GB, or 4 GB
Memory type	1066 MHz DDR3 SDRAM (non-ECC only)
Minimum memory	1 GB
Maximum memory	16 GB

Drives	Mini Tower	Desktop	Small Form Factor
Externally accessible:			
5.25 inch drive bays	two	one	one (slimline)
Internally accessible:			
3.5 inch SATA drive bays	two	one	one
Available devices:			
2.5-inch SATA hard drive (with brackets)	two	two	two
3.5 inch SATA hard drives	two	one	one
5.25 inch SATA DVD-ROM, DVD/CD-RW Combo, or DVD+/-RW drives	two	one	one (slimline)

NOTE: 3.5" HDDX1 + 2.5" HDD X2 + 5.25" ODD X1 combination of drive bays is not supported in a OptiPlex 580 Small Form Factor computer.

Control Lights and Diagnostic Lights	
Power button light	Green light — Solid green light indicates power-on state; blinking green light indicates sleep state of the computer. Amber light — Solid amber light when the computer does not start indicates a problem with the system board or power supply. Blinking amber light indicates a problem with the system board.
Drive activity light	Displays the SATA hard drive or optical drive activity. Green light — Blinking green light indicates that the computer is reading data from, or writing data to, from the drive.
Network connectivity light	Green light — A good connection exists between the network and the computer. Off (no light) — The computer is not detecting a physical connection to the network.
Diagnostic lights	Four lights located on the front/back panel of the computer. For information on the diagnostic lights, see the *Service Manual* available on the Dell Support website at **support.dell.com/manuals**.

Power	Wattage	Maximum heat dissipation	Voltage
Mini Tower			
Non-EPA	305 W	1041 (BTU/hr.)	100-240 VAC, 50/60 Hz, 3.6/1.8 A
EPA	255 W	1041 (BTU/hr.)	100-240 VAC, 50/60 Hz, 3.6/1.8 A
Desktop			
Non-EPA	255 W	955 (BTU/hr.)	115/230 VAC, 50/60 Hz, 4.0/2.0 A
EPA	255 W	955 (BTU/hr.)	115/230 VAC, 50/60 Hz, 4.0/2.0 A
Small Form Factor			
Non-EPA	235 W	938 (BTU/hr.)	115/230 VAC, 50/60 Hz, 3.5/1.8 A
EPA	235 W	938 (BTU/hr.)	115/230 VAC, 50/60 Hz, 3.5/1.8 A

NOTE: Heat dissipation is calculated by using the power supply wattage rating.

Coin-cell battery	3 V CR2032 lithium coin cell

Physical	Mini Tower	Desktop	Small Form Factor
Height	40.8 cm (16.1 inches)	11.4 cm (4.5 inches)	9.3 cm (3.7 inches)
Width	18.7 cm (7.4 inches)	39.9 cm (15.7 inches)	31.4 cm (12.4 inches)
Depth	43.3 cm (17.0 inches)	35.3 cm (13.9 inches)	34.0 cm (13.4 inches)
Weight (Minimum)	11.7 kg (25.8 lb)	8.26 kg (18.2 lb)	6.8 kg (15.0 lb)

Environmental	
Temperature:	
Operating	10° to 35°C (50° to 95°F)
Storage	–40° to 65°C (–40° to 149°F)
Relative humidity	20% to 80% (noncondensing)
Altitude:	
Operating	–15.2 to 3048 m (–50 to 10,000 ft)
Storage	–15.2 to 10,668 m (–50 to 35,000 ft)
Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985

Finding More Information and Resources

See the safety and regulatory documents that shipped with your computer and the regulatory compliance website at **www.dell.com/regulatory_compliance** for more information on:

- Safety best practices
- Warranty
- Terms and Conditions
- Regulatory certification
- Ergonomics
- End User License Agreement

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